

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants:	Boeke and Bolton	Art Unit:	1657
Application No.:	10/507,252	Examiner:	Paul C. Martin
Filed:	January 28, 2005	Conf. No.:	9085
Title:	MANGANESE ION REGULATION OF REVERSE TRANSCRIPTASE ACTIVITY AND METHODS OF MODULATING SAME		

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

Sir:

Responsive to the Office Action mailed December 8, 2008, reconsideration of the application in view of the following remarks is respectfully requested.

**Amendments to the Claims** are reflected in the **Listing of Claims** beginning on page 2 of this paper.

**Remarks** begin on page 12 of this paper.